**Company Scheduler**

**Team Satisfaction**

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SRS Requirements:

*Functional Requirements*

IN001 – The system shall allow both an employee and employer to log in, respectively, given that they have a valid username and password

IN002 – The system shall retrieve the schedule of an employee given the employee’s full name

IN003 – The system shall allow for changes to be made to an employee’s schedule given the employee’s full name

IN004 – The system shall allow for an employee to input/change their availability, and that change should be reflected in the database for employers to see

IN005 – The system shall allow for an employer to add an employee, given that they input their full name, date of birth, email, phone number, availability, employee-type, address, and assign them a username and password.

IN006 – The system shall allow for an employee to request time/days off given that they input valid dates to request off.

IN007 – The system shall allow for an employer to either accept or deny requests for time off given a valid employee

IN008 – The system shall allow an employer (admin) to create a new schedule for a given employee

IN009 – The system shall allow for an employer to input/set a maximum number of hours a week that an employee may work

IN010 – The system shall allow for an employer (admin) to remove a valid employee from the database.

IN011 – The system shall allow for an employer to input changes to an employee’s information/profile

IN012 – The system shall allow for both employers and employee to log out of the system with ease, and close the application upon signing out.

*Non-Functional Requirements*

IN101 – The Company Scheduler system shall be available to employers/employees 24 hours a day, 7 days a week. If there is any downtime, it shall not exceed one minute in any one day.

IN102 – The Company Scheduler should run on both MacOS as well as Windows OS.

IN103 – Any interactions between the user and the system shall not exceed 10 seconds.

IN104 – The system shall allow only employers (admins) to view all information for employees in the database

IN105 - The system date-time shall be based Eastern Standard Time in the United States of America.

Noun: Comments:

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| “The (Company Scheduler) System” | Describes the entire system |
| “Employee” | N/A |
| “Employer (admin)” | N/A |
| “Username” | N/A |
| “Password” | N/A |
| “Schedule” | N/A |
| “Employee’s Full Name” | Could possibly be redundant to just saying employee |
| “Changes” | N/A |
| “Employee’s Schedule” | N/A |
| “Availability” | N/A |
| “Employee-Type” | If we already know employee-type, maybe we don’t need to use the phrase “a maximum number of hours” |
| “Address” | Attribute for Employee |
| “Full name” | Attribute for Employee |
| “Date of Birth” | Attribute for Employee |
| “Email” | Attribute for Employee |
| “Phone number” | Attribute for Employee |
| “Database” | Describes our MYSQL database |
| “Requests” | N/A |
| “A maximum number of hours” | May be able to include this in IN008 instead of having it be its completely own functional requirement; a bit redundant |
| “Employee’s information and profile” | N/A |
| “The application” | N/A |
| “Downtime” | N/A |
| “10 seconds/24 hours a day, 7 days a week” | A specific time-frame to help meet SMART requirements in SRS |
| “One minute in one day” | A specific time-frame to help meet SMART requirements in SRS |
| “MacOS/Windows OS” | N/A |
| “Eastern Standard Time/ United States of America” | Describes the time-zone our application is based on running around |

Class Diagram:

